

REMARKS

This application has been carefully reviewed in light of the Office Action dated June 4, 2003. Claims 1-10 remain pending in this application. Claims 1 and 8-10 are the independent claims. Favorable reconsideration is respectfully requested.

Applicant notes with appreciation the indication that Claims 3-7 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicant respectfully refrains from so amending Claims 3-7 at this time as their parent claim is believed allowable.

On the merits, the Office Action rejected Claim 3 under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Applicant respectfully believes the amendment to Claim 3 renders the § 112, second paragraph rejection moot and respectfully requests its withdrawal.

Further on the merits, the Office Action rejected Claims 1 and 2 under 35 U.S.C. § 102(b) as being anticipated by Applicant admitted prior art (hereinafter "AAPA"). The Office Action also rejected Claims 8-10 under 35 U.S.C. § 103(a) as being unpatentable over Messenger (U.S. Patent No. 6,346,903;

hereinafter "Messenger") in view of AAPA. Applicant respectfully traverses the rejections.

Applicant's Claim 1 recites: "[A] Charge pump device containing at least two stages (S), whereby a stage (S) comprises a switch (SW_n) and a charge device (CS_n) which are arranged to generate a voltage higher than a supply voltage (V_{dd}), whereby the stages (S) are arranged in series and a required multiplication factor (MF) of the charge pump (CP) is adjustable by activating/deactivating a definable number of stages (S), whereby the switches (SW_n) of each stage (S_n) are arranged in the same way and further comprising a gate switch control unit comprising at least one transistor."

AAPA fails to recite or suggest a gate switch control unit made up of at least one transistor. AAPA recites, for example in Fig. 2, a boot capacitor (C_B), however, this is not a gate switch control unit because it alone does not allow to turn ON MP1 always with 0V and turn it off with a voltage always $> V_{dd} + |V_{tp}|$. Further, AAPA fails to recite or suggest any transistor acting as a gate control. Thus AAPA fails to recite or suggest all the claimed limitations of Applicant's Claim 1. Claim 1 is believed patentable for at least this reason.

Claims 8-10 recite a display driver, a display module, and a telecom terminal substantially corresponding to the charge

pump device of Claim 1 and are believed patentable for at least the same reasons.

Claims 2-7 depend from one or another of the independent claims discussed above and are believed patentable for at least the same reasons. In addition, Applicant respectfully believes Claims 2-7 to be independently patentable and request separate consideration of each claim. In addition, Applicant respectfully believes the § 103 rejections of Claims 8-10 to be moot in light of the above remarks and request their withdrawal.

In view of the foregoing remarks, Applicant respectfully requests favorable reconsideration and early passage to issue of the present application.

Applicant's undersigned agent may be reached by telephone at the number given below.

Respectfully submitted,

By 

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